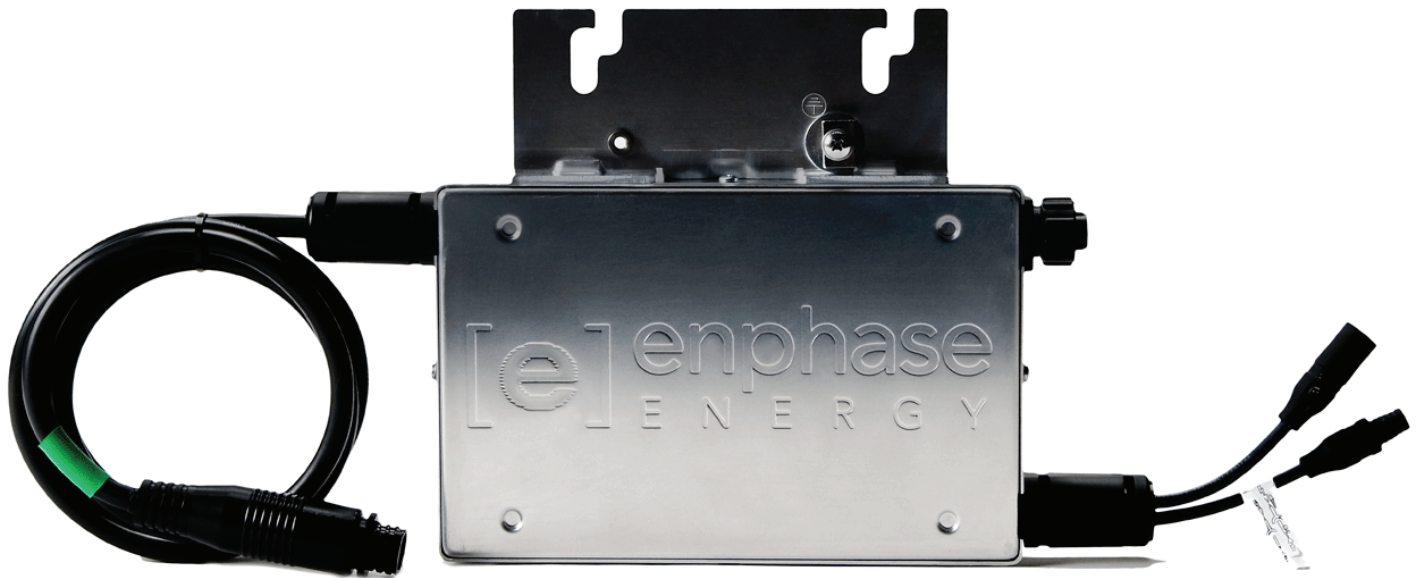


[e] ENPHASE MICRO-INVERTER



The Enphase Energy Micro-Inverter System improves energy harvest, increases reliability, and dramatically simplifies design, installation and management of solar power systems. The Enphase System includes the micro-inverter, the Envoy Communications Gateway, and the web-based Enlighten monitoring and analysis website.

PRODUCTIVE [- Maximum energy production
- Resilient to dust, debris and shading
- Performance monitoring per module

RELIABLE [- MTBF of 331 years
- System availability greater than 99.8%
- No single point of system failure

SMART [- Quick & simple design, installation and management
- 24/7 monitoring and analysis

MICRO-INVERTER TECHNICAL DATA

Input Data (DC)		
	M210-84-208-S11/2	M210-84-240-S11/2
Recommended input power (STC)	240W	240W
Maximum input DC voltage	62V	62V
Peak power tracking voltage	31V – 50V	31V – 50V
Min./Max. start voltage	38V/62V	38V/62V
Max. DC short circuit current	12A	12A
Max. input current	10A	10A
Output Data (AC)		
Maximum output power	210W	210W
Nominal output current	1.00 A	.88 A
Nominal voltage/range	208V/183V-229V	240V/211V-264V
Extended voltage/range	208V/179V-232V	240V/206V-269V
Nominal frequency/range	60.0/59.3-60.5	60.0/59.3-60.5
Extended frequency/range	60.0/59.2-60.6	60.0/59.2-60.6
Power factor	>0.95	>0.95
Maximum units per branch	18	13
Efficiency		
Peak inverter efficiency	96.0%	96.0%
CEC weighted efficiency	95.5%	95.5%
Nominal MPP tracking	99.6%	99.6%
Mechanical Data		
Operating temperature range	-40°C to +65°C	-40°C to +65°C
Night time power consumption	30mW	30mW
Dimensions (WxHxD)	8" x 5.25" x 1.25"	
Weight	4.4 lbs	
Cooling	Natural Convection – No Fans	
Enclosure environmental rating	Outdoor – NEMA 6	
Features		
Communication	Powerline	
Warranty	15 Years	
Compliance	UL1741/IEEE1547 FCC Part 15 Class B	

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